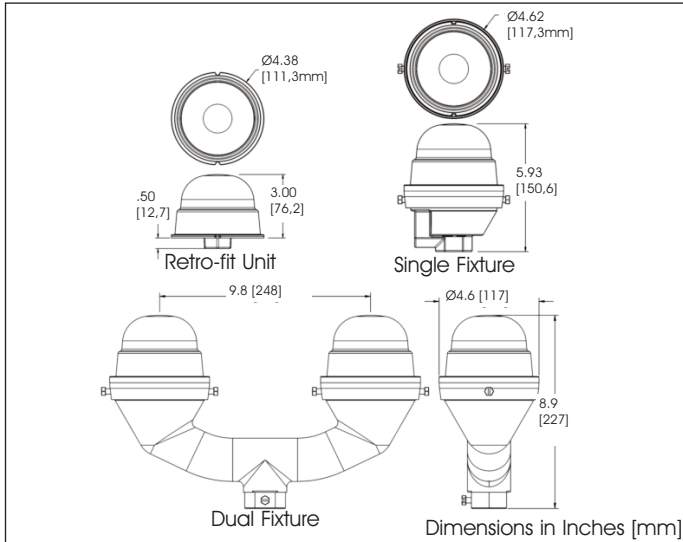




US Patent #7,604,384

Vigilant® LED Based L-810

Low Intensity (Red) RTO Side Light



Application:

The Dialight Vigilant® RTO L-810 is the most universal, compact and efficient obstruction light in the world. ETL Certified to the FAA requirements, the RTO signal is also ICAO and Transport Canada compliant. A variety of mounting options are available, including a single signal for direct replacement of incandescent lamp/lens technology.

| | |
|------------------------|---|
| Unit Weight: | 1.25 lbs (0.56 kg) (Retro Unit) 2.00 lbs (0.91 kg) (Single Unit) 4.60 lbs (2.09 kg) (Dual Unit) |
| Supply Voltage Ranges: | Nominal +/- 10% |
| Input AC Frequency: | 50/60Hz |
| Power Factor: | >0.9 (All AC units) |
| Operating Temp: | -40°F to +131°F (-40°C to +55°C) |

Certifications & Ratings

- FAA Approved
(Check FAA Website for current certification)
- DGAC Mexico
- IP 66
- NEMA 4X

Qualified By

- Intertek ETL
- Lighting Sciences Canada

Compliant To

- ICAO Annex 14, 5th Edition, July 2009
- ICAO Aerodromes Design Manual, Chapter 18
- Canadian Aviation Regulation CAR 621 (Transport Canada)
- Nachrichten für Luffahrer Teil I Langen, 6. Januar 2005
- German Air Traffic Control Notices For Pilots Part I 6, January 2005

| Part Number | Description | Voltage | Certification / Compliance | Wattage |
|-----------------|--|--------------|----------------------------|---------|
| RTO-1R06-001 | Single Light | 277V AC | FAA (TC) L-810 | 8.0 |
| RTO-1R07-001 | Single Light | 120-240V AC | FAA (TC) L-810 | 6.5 |
| RTO-1R08-001 | Single Light | 12-48V DC | FAA (TC) L-810 | 3.5 |
| RTO-1R18-001 | Single Light - Low Power | 12-48V DC | FAA (TC) L-810 | 1.5 |
| RTO-1R06-002 | Dual Light | 277V AC | FAA (TC) L-810 | 8.0 |
| RTO-1R07-002 | Dual Light | 120-240V AC | FAA (TC) L-810 | 6.5 |
| RTO-1R08-002 | Dual Light | 12-48V DC | FAA (TC) L-810 | 3.5 |
| RTO-1R18-002 | Dual Light - Low Power | 12-48V DC | FAA (TC) L-810 | 1.5 |
| RTO-1R06-004 | Single Retro-fit Light | 277V AC | FAA (TC) L-810 | 8.0 |
| RTO-1R07-004 | Single Retro-fit Light | 120-240V AC | FAA (TC) L-810 | 6.5 |
| RTO-1R08-004 | Single Retro-fit Light | 12-48V DC | FAA (TC) L-810 | 3.5 |
| RTO-1R18-004 | Single Retro-fit Light - Low Power | 12-48V DC | FAA (TC) L-810 | 1.5 |
| RTO-CR07-001 | Single Light Red / Infrared (IR) | 120-240V AC | FAA (TC) L-810 | 5.5 |
| RTO-CR08-001 | Single Light Red / Infrared (IR) | 12-48V DC | FAA (TC) L-810 | 5.0 |
| RTO-CR07-002 | Dual Light Red / Infrared (IR) | 120-240V AC | FAA (TC) L-810 | 5.5 |
| RTO-CR08-002 | Dual Light Red / Infrared (IR) | 12-48V DC | FAA (TC) L-810 | 5.0 |
| RTO-CR07-004 | Single Retro-fit Light Red / Infrared (IR) | 120-240 V AC | FAA (TC) L-810 | 5.5 |
| RTO-CR08-004 | Single Retro-fit Light Red / Infrared (IR) | 12-48V DC | FAA (TC) L-810 | 5.0 |
| RTO-1R07-001-EU | Single Light | 120-240V AC | ICAO only, 32cd | 6.5 |
| RTO-1R07-002-EU | Dual Light | 120-240V AC | ICAO only, 32cd | 6.5 |
| RTO-1R07-004-EU | Single Retro-fit Light | 120-240V AC | ICAO only, 32cd | 6.5 |
| RTO-6CR7-001 | Single Light Red / Infrared (IR) | 120-240V AC | TC only L-810 | 9.0 |
| RTO-6CR7-002 | Dual Light Red / Infrared (IR) | 120-240V AC | TC only L-810 | 9.0 |
| RTO-6CR7-004 | Single Retro-fit Light Red / Infrared (IR) | 120-240V AC | TC only L-810 | 9.0 |

Night Vision Goggles (NVG) and Aviator Night Vision Imaging Systems (ANVIS) sense infrared (IR) light at various wavelength ranges. Accordingly, Dialight makes no claim or representation that the IR light emitted by the Vigilant light is visible to any make or model of any NVG or ANVIS. In no event shall Dialight or any of its representatives be liable for any damages, including, without limitation, direct, consequential, indirect, punitive, incidental or special damages, in connection with the IR light emitted by the Vigilant light and/or whether any NVG or ANVIS can sense such IR light or whether the IR light emitted by the Vigilant light is visible to any NVG or ANVIS, regardless of the form of action.

SafeSite® LED Based Obstruction Lighting Products

Dialight also offers these Class I Div. 2 and ATEX Rated Obstruction Lights for Hazardous Locations

Dialight's LED Obstruction Lights for Hazardous locations are designed for long life, high brightness and energy efficiency. These products will provide years of cost-effective and no maintenance operation. Dialight's LED obstruction lights, beacons and visual signals contain the most advanced solid state technology meeting safety standards for the most demanding environments. Dialight's Obstruction Lights are designed for chimneys, flare stacks, and any other type of obstruction to aviation in hazardous areas.



SafeSite® L-865 / L-864 Flashing Dual LED (White / Red) Strobe



SafeSite® L-864 Red LED Medium Intensity Beacon



SafeSite® FLS Flashing Colored Visual Signal Lights



SafeSite® L-810 Red LED Side Lights



SafeSite® L-810 LED Steady Burn Colored Visual Signal Lights



Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: http://www.dialight.com/Assets/Brochures_And_Catalogs/Illumination/Obstruction_Brochure.pdf

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